

CLAIMS

1. A display system comprising:

two display devices;

5 a coupling section for coupling the two display devices such that one display device can be displaced relative to the other display device;

a detection section for detecting a value by which a position of the one display device relative to the other display device

10 can be identified; and

a display control section for generating an image to be displayed on at least the one display device, based on the position detected by the detection section, wherein

15 the one display device displays the image generated by the display control section.

2. The display system according to claim 1, wherein

the display control section generates a first image representing a map of a predetermined area and a second map image 20 representing a map of an area surrounding the predetermined area,

the one display device displays the second map image generated by the display control section, and

the other display device displays the first map image generated by the display control section.

3. The display system according to claim 1, wherein  
the display system is installed in a vehicle, and  
the display control section generates an image at least  
for a passenger in the vehicle.

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4. The display system according to claim 2, wherein the  
coupling section is provided to a backside of either the one or  
the other display device so as to couple the display devices such  
that either the other or the one display device can be fixed.

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5. The display system according to claim 4, wherein the  
coupling section couples the display devices such that display  
sides of the one and the other display devices can be fixed facing  
in substantially a same direction.

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6. The display system according to claim 5, wherein  
the other display device has a groove of a predetermined  
shape formed in a backside thereof,

the coupling section includes:

20 a first supporting member engaged in the groove and  
sliding along the groove;

a coupling member rotatably connected to the first  
supporting member; and

25 a second supporting member rotatably connected to the  
coupling member and further supporting the one display device.

7. The display system according to claim 6, wherein  
the one display device has an accommodating section formed  
at each of four corners thereof, and

5 the accommodating sections each have at least one plane  
selected based on a size of the first supporting member.

8. The display system according to claim 4, wherein  
the coupling section includes:

10 a guide section comprised in the one display device and having  
a groove formed therein which extends in substantially a same  
direction as a direction of one side of the one display device;  
and

15 a slide section comprised in the other display device and  
sliding along the groove.

9. The display system according to claim 7, wherein  
the coupling section further includes a rotation section  
comprised at a midpoint of the guide section, and

20 the rotation section allows a part of the guide section to  
rotate relative to end points of a rest part of the guide section.

10. The display system according to claim 4, wherein  
the coupling section includes first and second supporting  
25 members comprised in the one and the other display devices, and

the first and second supporting members are coupled together, and allow either the one or the other display device to rotate in a first direction along a display side of either the other or the one display device.

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11. The display system according to claim 10, wherein the first and second supporting members further allow either the one or the other display device to rotate in a second direction vertical to the first direction.

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12. The display system according to claim 4, wherein the coupling section includes first and second supporting members comprised in the one and the other display devices, and the first and second supporting members are coupled together, and allow either the one or the other display device to rotate in a first direction vertical to a display side of either the other or the one display device.